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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of: Collins *et al.* Confirmation No.: 9921
Serial No.: 10/789,165 Art Unit: 1614
Filed: February 26, 2004 Examiner: To be Assigned
For: CXCR3 Antagonists Attorney Docket No.: 11134-019-999

SECOND INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

In accordance with the duty of disclosure provisions of 37 C.F.R. §1.56, there is hereby provided certain information which the Examiner may consider material to the examination of the subject U.S. patent application. It is requested that the Examiner make this information of record if it is deemed material to the examination of the application.

1. Enclosures accompanying this Information Disclosure Statement are:
 - 1a. ☒ A list of all patents, publications, applications, or other information submitted for consideration by the office.
 - 1b. A legible copy of :
 - ☒ Each U.S. patent application publication and U.S. and foreign patent;
 - ☒ Each publication or that portion which caused it to be listed on the PTO-1449;
 - ☐ For each cited pending U.S. application, the application specification including the claims, and any drawing of the application, or portion of the application which caused it to be listed on the PTO-1449 including any claims directed to that portion;
 - ☐ all other information or portion which caused it to be listed on the PTO-1449.
 - 1c. ☒ An English language copy of search report(s) from a counterpart foreign application or PCT International Search Report.
 - 1d. ☐ Explanations of relevancy (ATTACHMENT 1(d), hereto) or English language abstracts of the non-English language publications.
2. ☒ This Information Disclosure Statement is filed under 37 C.F.R. §1.97(b):
 - ☐ Within three months of the filing date of a national application other than a continued prosecution application under §1.53(d);
 - ☐ Within three months of the date of entry of the national stage as set forth in §1.491 in an international application;

- ☒ Before the mailing of the first Office action on the merits;
- ☐ Before the mailing of a first Office action after the filing of a request for continued examination under §1.114.

3. ☐ This Information Disclosure Statement is filed under 37 C.F.R. §1.97(c) after the period specified in 37 C.F.R. §1.97(b), but before the mailing date of any of a final action under 37 C.F.R. §1.113, a notice of allowance under 37 C.F.R. §1.311 or an action that otherwise closes prosecution in the application.

(Check either Item 3a or 3b)

- 3a. ☐ The Certification Statement in Item 5 below is applicable. Accordingly, no fee is required.
- 3b. ☐ The \$180.00 fee set forth in 37 C.F.R. §1.17(p) in accordance with 37 C.F.R. §1.97(c) is:
- ☐ enclosed
- ☐ to be charged to Jones Day Deposit Account No. 50-3013.

(Item 3b to be checked if any reference known for more than 3 months)

4. ☐ This Information Disclosure Statement is filed under 37 C.F.R. §1.97(d) after the period specified in 37 C.F.R. §1.97(c), but on or before the date of payment of the issue fee.

The Certification Statement in Item 5 below is applicable.

The \$180.00 fee set forth in 37 C.F.R. §1.17(p) is:

- ☐ enclosed.
- ☐ to be charged to Jones Day Deposit Account No. 50-3013

5. ☐ Certification Statement (applicable if Item 3a or Item 4 is checked)

(Check either Item 5a or 5b)

- 5a. ☐ In accordance with 37 C.F.R. §1.97(e)(1), it is certified that each item of information contained in this Information Disclosure Statement was first cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement.
- 5b. ☐ Each item of information contained in this information disclosure statement was cited in a communication from a foreign patent office in a counterpart application, and the communication was not **received** by any individual designated in 37 C.F.R. §1.56(c) more than thirty days prior to the filing of this information disclosure statement.
- 5c. ☐ Pursuant to 37 C.F.R. §1.704(d), each item of information contained in this information disclosure statement was cited in a communication from a foreign patent office in a counterpart application, and the communication was not **received** by any individual designated in 37 C.F.R. §1.56(c) more than thirty days prior to the filing of this information disclosure statement.
6. ☐ This application is a continuation application under 37 C.F.R. §1.60 or §1.53(b) or (d).

(Check appropriate Items 6a, 6b and/or 6c)

- 6a. ☐ A Petition to Withdraw from issue under 37 C.F.R. §1.313(b)(5) is concurrently


filed herewith.

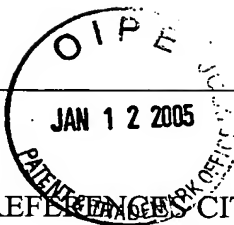
- 6b. ☐ Copies of publications listed on Form PTO-1449 from prior application Serial No., filed on , of which this application claims priority under 35 U.S.C. §120, are not being submitted pursuant to 37 C.F.R. §1.98(d).
- 6c. ☐ Copies of the publications listed on Form PTO-1449 were not previously cited in prior application Serial No. , filed on , and are provided herewith.
7. ☐ This is a Supplemental Information Disclosure Statement. (Check Item 7a)
- 7a. ☐ This Supplemental Information Disclosure Statement under 37 C.F.R. §1.97(f) supplements the Information Disclosure Statement filed on . A bona fide attempt was made to comply with 37 C.F.R. §1.98, but inadvertent omissions were made. These omissions have been corrected herein. Accordingly, additional time is requested so that this Supplemental Information Disclosure Statement can be considered as if properly filed on .
8. ☐ In accordance with 37 C.F.R. §1.98, a concise explanation of what is presently understood to be the relevance of each non-English language publication is:
(Check Item 8a, 8b, or 8c)
- 8a. ☐ satisfied because all non-English language publications were cited on the enclosed English language copy of the PCT International Search Report or the search report from a counterpart foreign application indicating the degree of relevance found by the foreign office.
- 8b. ☐ set forth in the application.
- 8c. ☐ enclosed as an attachment hereto.
9. ☒ The Commissioner is authorized to charge any additional fee required or credit any overpayment for this Information Disclosure Statement and/or Petition to Jones Day Deposit Account No. 50-3013 (657253-999019).
10. ☒ No admission is made that the information cited in this Statement is, or is considered to be, material to patentability nor a representation that a search has been made (other than a search report of a foreign counterpart application or PCT International Search Report if submitted herewith). 37 C.F.R. §§1.97(g) and (h).

Respectfully submitted,

Date: JANUARY 12, 2005

42,983


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LIST OF REFERENCES CITED BY APPLICANT
(Use several sheets if necessary)

ATTY DOCKET NO.
11134-019-999

APPLICATION NO
10/789,165

APPLICANT
Collins, *et al.*

FILING DATE
February 26, 2004

GROUP
1614

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	B01	5,202,322	4/13/93	Allen <i>et al.</i>			
	B02	5,256,667	10/26/93	Allen <i>et al.</i>			
	B03	5,719,144	2/17/98	Hartman <i>et al.</i>			
	B04	5,756,502	5/26/98	Padia			
	B05	5,869,665	2/9/99	Padia			
	B06	5,908,930	6/1/99	Dow			
	B07	6,140,064	10/31/00	Loetscher <i>et al.</i>			
	B08	6,545,005	4/8/03	Baxter <i>et al.</i>			
	B09	6,605,632	8/12/03	Lesieur <i>et al.</i>			
	B10	6,794,379	9/21/04	Medina <i>et al.</i>			
	B11	20030134843	7/17/03	Lubisch <i>et al.</i>			

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	B12	International Search Report of PCT/US01/47850	8/26/02	PCT				
	B13	International Search Report of PCT/US04/05960	10/12/04	PCT				
	B14	EP 0481 614 A1	4/22/92	EPO				
	B15	WO92/01675	2/6/92	PCT				
	B16	WO97/04775	2/13/97	PCT				
	B17	WO98/13350	4/2/98	PCT				
	B18	WO98/26664	6/25/98	PCT				
	B19	WO99/58495	11/18/95	PCT				
	B20	WO01/057038	8/9/01	PCT				
	B21	WO01/19800 A2	3/22/01	PCT				
	B22	WO01/19800 A3	3/22/01	PCT				
	B23	WO01/62758	8/30/01	PCT				
	B24	WO01/77087	10/18/01	PCT				
	B25	WO02/28831	4/11/02	PCT				
	B26	WO02/083143	10/24/02	PCT				

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

	B27	Agostini, <i>et al.</i> , 1998 "Involvement of the IP-10 Chemokine in Sarcoid Granulomatous Reactions", <i>J. Immunol.</i> 161: 6413-6420.
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B32	Cecil's Textbook of Medicine, 20 th Edition, Vol. 1 (a996), pages 1004-1010 (1996)
B33	Cecil's Textbook of Medicine, 20 th Edition, Vol. 2, pages 1992-96 (1996)
B34	Chabrier <i>et al.</i> Pubmed Abstract 10442086, also cited as <i>Cell. Mol. Life Sci.</i> 55/8-9 1029-35 (1999)
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B36	J.T. Coyle <i>et al.</i> , 1983 <i>Science</i> 219, 1184-90
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B40	Hancock <i>et al.</i> , 2000 "Requirement of the Chemokine Receptor CXCR3 for Acute Allograft Rejection," <i>J. Exp. Med.</i> , 192(10):1515-19..
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B45	Onuffer, <i>et al.</i> , 2002 "Chemokines, Chemokine Receptors and Small-Molecule Antagonists: Recent Developments", <i>Trends in Pharmacological Sciences</i> 23(10): 459-467.
B46	Padia, J.K., <i>et al.</i> , "Design and synthesis of novel nonpeptide CCK-B receptor antagonists," <i>BIOORGANIC & MEDICINAL CHEMISTRY LETTERS, OXFORD, GB</i> , vol. 7, no. 7, 8 April 1997, pp. 805-810.
B47	Proudfoot, <i>et al.</i> , 2003 "Strategies for Chemokine Antagonists as Therapeutics", <i>Seminars in Immunology</i> . 15:57-65.
B48	Qin <i>et al.</i> , 1998 "The Chemokine Receptors CXCR3 and CCR5 Mark Subsets of T Cells Associated with Certain Inflammatory Reactions," <i>J. Clin. Invest.</i> 101(4): 746-54.
B49	Rabin <i>et al.</i> , 1999 "Chemokine Receptor Responses on T Cells Achieved Through Regulation of Both Receptor Expression and Signaling," <i>The Journal of Immunology</i> , 162: 3840-50.
B50	Rottman <i>et al.</i> , 2001 "Potential Role of the Chemokine Receptors CXCR3, CCR4, and the Integrin $\alpha E \beta 7$ in the Pathogenesis of Psoriasis Vulgaris", <i>Lab. Invest.</i> 81(3): 335-347.
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B56	Wells, <i>et al.</i> , 1999 "Chemokine Receptors and Their Antagonists in Allergic Lung Disease" <i>Inflamm. Res.</i> , 48: 353-362.
B57	Wolff, Manfred E. "Burger's Medicinal Chemistry, 5ed Part 1", John Wiley & Sons, 1995, Pages 975-977.
B58	Zhao <i>et al.</i> , 2002 Pubmed Abstract 121133984, also cited as <i>J. Immunol.</i> , 169/3 1556-60

EXAMINER

DATE CONSIDERED

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.